Food and Drug Administration, HHS

§ 73.1326 Chromium hydroxide green.

(a) Identity. (1) The color additive chromium hydroxide green is principally hydrated chromic sesquioxide (Cr₂O₃·XH₂O).

(2) Color additive mixtures for drug use made with chromium hydroxide green may contain only those diluents listed in this subpart as safe and suitable for use in color additive mixtures for coloring drugs.

(b) Specifications. Chromium hydroxide green shall conform to the following specifications and shall be free from impurities other than those named to the extent that such impurities may be avoided by good manufacturing practice:

- Water soluble matter, not more than 2.5%.
- Chromium in 2% NaOH extract, not more than 0.1% as Cr₂O₃ (based on sample weight).
- Boron (as B₂O₃), not more than 8 percent.
- Total volatile matter at 1000 °C, not more than 20%.
- Cr₂O₃, not less than 75%.
- Lead (as Pb), not more than 20 parts per million.
- Arsenic (as As), not more than 3 parts per million.
- Nickel (as Ni), not more than 200 parts per million.
- Cobalt (as Co), not more than 200 parts per million.

- Mercury (as Hg), not more than 1 part per million.
- Oxalic acid, not more than 0.1 percent.
- Water soluble matter, not more than 3 percent.
- Volatile matter, not more than 10 percent.
- Total iron (as Fe corrected for volatile matter), not less than 37 percent and not more than 45 percent.